

Title (en)

Image forming apparatus based on an array of light emitting elements with individual brightness correction for achieving even image quality

Title (de)

Bildausgabegerät basierend auf einem Lichtquellen-Array mit individueller Helligkeitskorrektur für gleichmässige Bildqualität

Title (fr)

Appareil de formation d'images comprenant un ensemble d'éléments émetteurs de lumière avec correction individuelle de la luminosité pour obtenir des images d'une qualité régulière

Publication

EP 1278367 A3 20040728 (EN)

Application

EP 02015804 A 20020715

Priority

- JP 2001220244 A 20010719
- JP 2002013010 A 20020122
- JP 2002021551 A 20020130

Abstract (en)

[origin: EP1278367A2] There is described an image-forming apparatus, which can prevent unevenness of an image by controlling the brightness of light-sources. The apparatus includes a light source, including a plurality of light-emitting elements aligned within a predetermined width; an exposure-controlling section to individually control each of intensities of light beams emitted by the plurality of light-emitting elements; and a memory section to store light-intensity compensation data for each of the plurality of light-emitting elements. The image is formed by simultaneously exposing the light beams aligned within the predetermined width onto the photosensitive recording medium, and the exposure-controlling section controls each of the plurality of light-emitting elements based on the light-intensity compensation data concerned, so that each of intensities of the light beams substantially coincides with each of target intensities set in advance.

IPC 1-7

H04N 1/401; **G06K 15/12**

IPC 8 full level

G06K 15/12 (2006.01); **H04N 1/401** (2006.01)

CPC (source: EP US)

G06K 15/1238 (2013.01 - EP US); **H04N 1/4015** (2013.01 - EP US); **G06K 2215/0085** (2013.01 - EP US)

Citation (search report)

- [X] EP 0393598 A2 19901024 - FUJI PHOTO FILM CO LTD [JP]
- [X] US 5739841 A 19980414 - NG YEE SEUNG [US], et al
- [X] EP 0948192 A2 19991006 - NORITSU KOKI CO LTD [JP]
- [X] US 6172700 B1 20010109 - OBATA MASAHIRO [JP]
- [A] US 6121993 A 20000919 - MAEKAWARA MINORU [JP], et al
- [A] EP 0629974 A1 19941221 - XEIKON NV [BE]

Cited by

EP1607902A1; US7791629B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1278367 A2 20030122; **EP 1278367 A3 20040728**; US 2003016406 A1 20030123; US 7030899 B2 20060418

DOCDB simple family (application)

EP 02015804 A 20020715; US 19258102 A 20020710